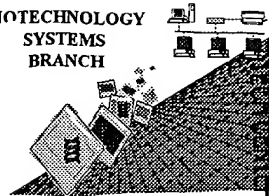


1614

BIOTECHNOLOGY
SYSTEMS
BRANCH



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STIC CENTER 1600/2900

CRF Problem Report

The Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):

Application Serial Number: 09/943,075
Filing Date: 8/30/2001
Date Processed by STIC: 2/14/2002

STIC Contact: Mark Spencer, 703-308-4212

Nature of Problem:

The CRF (was):

- ☒ (circle one) Damaged or Unreadable (for Unreadable, see attached)
☐ Blank (no files on CRF) (see attached)
☐ Empty file (filename present, but no bytes in file) (see attached)
☐ Virus-infected. Virus name: _____ The STIC will not process the CRF.
☐ Not saved in ASCII text
☐ Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should **only** be the Sequence Listing.
☐ Did not contain a Sequence Listing. (see attached sample)
☐ Other: _____

**PLEASE USE THE CHECKER VERSION 3.1 PROGRAM TO REDUCE ERRORS.
SEE BELOW FOR ADDRESS:**

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,075A

DATE: 06/17/2002
TIME: 15:51:47

Input Set : A:\EP.txt
Output Set: N:\CRF3\06172002\I943075A.raw

4 <110> APPLICANT: Popoff, Steven N.
5 Safado, Faye F.
6 Owen, Thomas A.
7 Smock, Steven L.
9 <120> TITLE OF INVENTION: Osteoactivin Protein and Nucleic Acids Encoding the Same,
10 Compositions and Methods of Stimulating Bone Differentiation
12 <130> FILE REFERENCE: 71369.262
14 <140> CURRENT APPLICATION NUMBER: US 09/943,075A
15 <141> CURRENT FILING DATE: 2001-08-30
17 <150> PRIOR APPLICATION NUMBER: US 60/229,006
18 <151> PRIOR FILING DATE: 2000-08-30
20 <160> NUMBER OF SEQ ID NOS: 8
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

490 <210> SEQ ID NO: 8
491 <211> LENGTH: 1683
492 <212> TYPE: DNA
493 <213> ORGANISM: Human
495 <400> SEQUENCE: 8
496 atggaaagtc tctactattt cctgggattt ctgctcctgg ctgcaagatt gccacttgat 60
497 gcccccaaac gatttcctga ttgtctgggc aatgaaagac cttctgctta catgaggggag 120
498 cacaatcaat taaatggctg gtcttctgat gaaaatgact ggaatgaaaa actctacca 180
499 gtgtggaagc ggggagacat gaggtggaaa aactcctgga agggaggccg ttgtcaggcg 240
500 gtcctgacca gtgactcacc agcctcctgg ggctcaata taacatttgc ggtgaacctg 300
501 atattcccta gatgccaaaa ggaagatgcc aatggcaaca tagtctatga gaagaactgc 360
502 agaaatgagg ctggttttatc tgctgatcca tatgtttaca actggacagc atggtcagag 420
503 gacagtgcac gggaaaatgg caccggccaa agccatcata acgtcttccc tgatgggaaa 480
504 ccttttctcc accaccocgg atggagaaga tggaaattca tctacgtctt ccacacactt 540
505 ggtcagtatt tccagaaatt gggacgatgt tcagtgcagc tttctgtgaa cacagccaat 600
506 gtgacacttg ggcctcaact catggaagtg actgtctaca gaagacatgg acgggcatat 660
507 gttcccatcg cacaagtga agatgtgtac gtggtaacag atcagattcc ttgtttttgt 720
508 actatgttcc agaagaacga tccgaattca tccgacgaaa ccttctcaa agatctcccc 780
509 attatgtttg atgtcctgat tcatgatcct agccacttcc tcaattattc taccattaac 840
510 tacaagtggg gcttcgggga taatactggc ctgtttgttt ccaccaatca tactgtgaat 900
511 cacacgtatg tgctcaatgg aaccttcagc cttaacctca ctgtgaaagc tgcagcacca 960
512 ggaccttgct cgccaccgac accaccaccc agaccttcaa aaccaccccc ttctttagga 1020
513 cctgtctggtg acaacccccc ggagctgagt aggtattcctg atgaaaactg ccagattaac 1080
514 agataaggct actttcaagc caccatcaca attgtagagg gaattctaga ggttaacatc 1140
515 atccagatga cagacgtcct gatgccgggt ccatggcctg aaagctccct aatagacttt 1200
516 gtcgtgacct gccaaaggag cattcccacg gaggtctgta ccatcatttc tgaccccacc 1260

RAW SEQUENCE LISTING

DATE: 06/17/2002

PATENT APPLICATION: US/09/943,075A

TIME: 15:51:47

Input Set : A:\EP.txt

Output Set: N:\CRF3\06172002\I943075A.raw

```
517 tgcgagatca cccagaacac agtctgcagc cctgtggatg tggatgagat gtgtctgctg 1320
518 actgtgagac gaaccttcaa tgggtctggg acgtactgtg tgaacctcac cctgggggat 1380
519 gacacaagcc tggctctcac gagcaccctg atttctgttc ctgacagaga cccagcctcg 1440
520 cctttaagga tggcaaacag tgccctgatc tccgttggtc gcttggccat atttgtcact 1500
521 gtgatctccc tcttggtgta caaaaaacac aaggaatata acccaataga aaatagtcct 1560
522 gggaatgtgg tcagaagcaa aggcctgagt gtctttctca accgtgcaaa agccgtgttc 1620
523 ttcccgggaa accaggaaaa ggatccgcta ctcaaaaacc aagaatttaa aggagtttct 1680
524 taa 1683
```

E--> 527 71369-262.st25

E--> 531 1

E--> 532 b0stOn 1436030v1

-delete

VARIABLE LOCATION SUMMARY

DATE: 06/17/2002

PATENT APPLICATION: US/09/943,075A

TIME: 15:51:48

Input Set : A:\EP.txt

Output Set: N:\CRF3\06172002\I943075A.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:8; N Pos. 1689

VERIFICATION SUMMARY

DATE: 06/17/2002

PATENT APPLICATION: US/09/943,075A

TIME: 15:51:48

Input Set : A:\EP.txt

Output Set: N:\CRF3\06172002\I943075A.raw

L:527 M:254 E: No. of Bases conflict, LENGTH:Input:25 Counted:1687 SEQ:8
L:527 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:10
L:527 M:112 C: (48) String data converted to lower case,
M:254 Repeated in SeqNo=8
L:532 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
L:532 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:9
M:112 Repeated in SeqNo=8
L:532 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1683 Found:1694 SEQ:8